U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (PTO-1449)	ATTY. DOCKET NO. 19226/2091 (R-5629)	SERIAL NO. 09/982,821
	APPLICANT Kostyniak et al.	
	FILING DATE October 18, 2001	GROUP 1614

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	1	3,952,105	04/20/76	Dorschner			
	2	4,054,537	10/18/77	Wright et al.			
	3	4,081,496	03/28/78	Finlayson			
	4	4,105,578	08/08/78	Finlayson et al.			
	5	4,216,135	08/05/80	Finlayson			
	6	4,278,047	07/14/81	Luca			
V	7	4,287,086	09/01/81	Finlayson et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION IF APPROPRIATE
W	8	JP 07126120-A (abstract)		Japan			
W	9	JP 63250309-A (abstract)		Japan			
W	10	JP 07173022-A (abstract)		Japan			
W	11	JP 03077801-A (abstract)		Japan			
W	12	JP 01316303-A (abstract)		Japan			

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W		13	Ohashi et al., "Antimicrobial and Antifungal Agents Derived From Clay Minerals (II): Properties of Montmorillonite Supported by Silver Chelates of 1,10-phenanthroline and 2,2'-dipyridyl," Applied Clay Science, 6:301-10 (1992)
		14	Ohashi et al., "Antimicrobial and Antifungal Agents Derived from Clay Minerals," Journal of Materials Science, 27:5027-30 (1992)
		15	Ohashi et al., "Antimicrobial and Antifungal Agents Derived From Clay Minerals," Journal of Materials Science, 31:3403-07 (1996)
		16	Qawas et al., "The Adsorption of Bactericides by Solids and the Fitting of Adsorption Data to the Langmuir Equation By a Nonlinear Least-Squares Method," Pharmaceutic Acta Helvetiae 61(10-11):314-319 (1986)
V		17	Oya et al., "Antimicrobial and Antifungal Agents Derived From Clay Minerals (III): Control of Antimicrobial and Antifungal Activities of Ag+-exchanged Montmorillonite by Intercalation of Polyacrylonitrile, Applied Clay Science, 6:311-18 (1992)

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	18	4,306,994	12/22/81	Ellslager			
	19	4,317,737	03/02/82	Oswald et al.			
	20	4,365,030	12/21/82	Oswald et al.			
	21	4,536,498	08/20/85	Tagami et al.			
	22	4,869,896	09/26/89	Coulston et al.			
	23	4,929,644	05/29/90	Guilbeaux			
	24	4,938,955	07/03/90	Niira, deceased et al.			
	25	5,145,674	09/08/92	Lane et al.			
	26	5,169,536	12/08/92	Vasconcellos et al.			

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copy	27	JP 04-300801 (abstract)		Japan			
copy	28	GB 1,565,362		Great Britain			
	29	JP 318,429 (abstract)		Japan			
	30	JP 084,993 (abstract)		Japan			
	31	JP 294,597 (abstract)		Japan			

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		32	Yamada et al., "Preparation and Properties of Antibacterial Clay Interlayer Compound," Kagaku Kogaku Ronbunshu 17(1):29-34 (1991) (abstract)
		33	Oya et al., "Antimicrobial and Antifungal Agents Derived from Clay Materials," Journal of Materials Science 29(1):11-14 (1994)
		34	Matome, "DEET Incorporation Onto HDTMA Treated BP Clay: A Basis for DEET Formulation with Decreased Percutaneous Absorption," Thesis submitted to SUNY at Buffalo (catalogued October 19, 1999)
		35	Ohashi et al., "Antimicrobial and Antifungal Agents Derived From Clay Minerals," J. Antibact. Antifung. Agents, 21(11):591-595 (1993)

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M	36	5,399,343	03/21/95	Smith, Jr.			
	37	5,589,195	12/31/96	Potter			
	38	6,015,816	01/18/2000	Kostyniak et al.			
	39	6,288,076	09/11/2001	Kostyniak et al.			

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M	43	Norris et al., "Hydrophobic Nature of Organo-Clays as a Lewis Acid/Base Phenomenon," Clays and Clay Minerals, 40(3):327-334 (1992)
M	42	Insect Repellent Network, www.insect-repellent.net/home.htm (date unknown) '99 Travel Health Guide
	43	Qiu et al., "Pharmacokinetics of Insect Repellent *N,N*-Diethyl-*m*-toluamide in Beagle Dogs Following Intravenous and Topical Routes of Administration," J. Pharmaceutical Sciences, 86(4):514-516 (1997)
	43	Qiu et al., "Solid-Phase Extraction and Liquid Chromatographic Quantitation of Insect Repellent N,N-diethyl-m-toluamide in Plasma," J. Pharmaceutical and Biomed. Analysis, 15(2):241-250 (1996) (abstract)
	45	Marks et al., "Prevention of Poison Ivy and Poison Oak Allergic Contact Dematitis by Quaternium-18 Bentonite," J. American Academy of Dermatol., 33(2):212-216 (1995)

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